

I CLAIM:

1. A rain head having an inlet and an outlet, a primary filter through which water from the inlet may flow, a secondary filter through which water passing
5 through the primary filter may flow and a tertiary filter located between the secondary filter and the outlet, the secondary filter filters smaller particles from the water than the primary filter and the tertiary filter filters small particles from the water than the secondary filter.
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2. The rain head of claim 1 wherein the primary filter is a filter screen.
3. The rain head of claim 2 wherein the screen
15 consists of woven stainless steel.
4. The rain head of claim 2 or 3 wherein the screen has an aperture size of 4 to 6mm.
- 20 5. The rain head of claim 1 wherein the secondary filter is a filter screen.
6. The rain head of claim 5 wherein the screen consists of woven stainless steel.
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7. The rain head of claim 5 or 6 wherein the screen has an aperture size of 1 to 1.5m.
8. The rain head of claim 1 wherein the tertiary
30 filter consists of one or more layers of geotextile fabric.
9. The rain head of claim 8 wherein the geotextile fabric is non-woven.
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10. The rain head of claim 9 wherein the fabric has a thickness between 4.8 to 5.7mm.

11. The rain head of any one of claims 8 to 10 wherein the tertiary filter has a drop cone characteristic of between H_{50} 6400 to H_{20} 12600 per layer, a CBR burst strength of between 5100N@60% to 9600N@60% per layer, a tensile strength of between 33kN/m x D/18kN/m MD to 68kN/m D/38kN/m MD per layer, a pore size between 100mm to 90mm per layer and a flow rate of between 80Lm²/s to 65Lm²/s per layer.
12. The rain head of claim 1 wherein the tertiary filter separates particles down a 50 micron from the water that passes through it.
13. The rain head of claim 1 having a stepped periphery.
14. The rain head of claim 1 having a downpipe connecting portion extending therefrom and a free end of the connecting portion providing the inlet from the rain head.
15. The rain head of claim 14 wherein the downpipe connecting portion consists of two spigots concentrically aligned relative to one another.
16. The rain head of claim 1 wherein at least the primary filter or the secondary filter have a peaked portion and downwardly inclined sloping portions whereby particles caught by the primary and the secondary filters may be washed to sides of the filter to minimise restriction of water flow through the primary and secondary filters.